

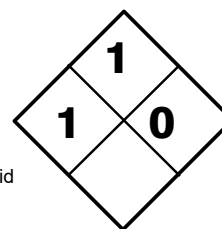
SAFETY DATA SHEET

Turf Fuel The Kraken Surfactant

Date: 05/01/17

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME Turf Fuel The Kraken Surfactant
DISTRIBUTOR Residex, LLC
ADDRESS 15415 Marquardt Ave • Santa Fe Springs, CA 90670
EMERGENCY INFOTRAC PHONE US 1-800-535-5053 / **International** 1-352-323-3500
CHEMICAL NAME Blend of Alkoxyolate Polyols and Polyglycol Ether Ester and Neutralized Carboxylic Acid
CHEMICAL FAMILY Water Conditioner
CHEMICAL FORMULA Liquid
PRODUCT USE Adjuvant
SECTION 1 NOTES None



SECTION 2: HAZARDOUS INGREDIENTS

GHS Ratings:

Toxicity Categories

Skin corrosion/ irritation Category 2
Serious eye damage/ eye irritation Category 2
Specific target organ toxicity, single exposure; Respiratory tract irritation Category 3



Signal Word: Warning

GHS PRECAUTIONS

P102 Keep out of reach of children.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P103 Read label before use.
P261 Avoid breathing dust/fume/gas/mist/vapor/spray.
P264 Wash hands thoroughly after handling.

GHS HAZARDS

H315 Causes skin irritation
H319 Causes eye irritation
H335 May cause respiratory irritation

RESPONSE STATEMENTS

P301 + P312 IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.
P302 + P352 IF ON SKIN: wash with plenty of soap and water.
P305 + P351 + P338 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing
P337 + P313 IF eye irritation persists: Get medical advice/attention.
P332 + P313 IF SKIN irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy.

Hazards Not otherwise classified

H303 May be harmful if swallowed
H333 May be harmful if inhaled

SECTION 3: HAZARDS IDENTIFICATION

INGREDIENT	CAS NO.	% WT
Blend of Alkoxyolate Polyols and Polyglycol Ether Ester and Neutralized Carboxylic Acid	Mixture	100.00%

Product does not contain any pesticides or pest control agents.

CARCINOGENICITY

OSHA No ACGIH: No NTP: No IARC: No OTHER: No

SECTION 4: FIRST AID MEASURES

Have the product container with you when calling a poison control center or doctor, or going for treatment.

EYE CONTACT - Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

SKIN CONTACT - Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes

INGESTION - Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow.
Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION - Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES: FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-424-535-5053

SECTION 5: FIRE FIGHTING MEASURES

NFPA HAZARD CLASSIFICATION:

<u> </u> 0	Least
<u> </u> 1	Slight
<u> </u> 1	Moderate
<u> </u> 0	High
<u> </u> 0	Severe

HMIS HAZARD RATING:

<u> </u> 1	HEALTH
<u> </u> 0	FLAMMABILITY
<u> </u> 0	REACTIVITY
<u> </u> 0	OTHER
<u> </u> B	PPE

IN CASE OF FIRE: Use medium appropriate to surrounding fire. Dry chemical, carbon dioxide, foam, water spray or fog.

SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool containers exposed to fire. Wear self-contained breathing apparatus and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

SECTION 5 NOTES: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Wear appropriate personal protective equipment (refer to Section 8) when responding to spills. Shut off source of leak if safe to do so. Dike and contain spill. Soak up residue with absorbent such as clay, sand or other suitable material and dispose of properly. Flush area with water to remove trace residue. Contain runoff from residue flush and dispose of properly. Place in container for proper disposal. Check local, state and federal regulations for proper disposal

SECTION 6 NOTES: CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

SECTION 7: HANDLING AND STORAGE

HANDLING: Wash hands before eating, drinking, using tobacco or using the toilet. Remove clothing if product is spilled or gets inside.
Then wash thoroughly and put on clean clothing.

STORAGE: Store in a cool, dry place. Store in original container. Keep container tightly closed. Do not contaminate water, food or feed by storage or disposal.

SECTION 7 NOTES: None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

VENTILATION: Normal room ventilation (mechanical) or outdoor use should be satisfactory.

RESPIRATORY PROTECTION: Wear a NIOSH approved respirator if necessary.

EYE PROTECTION: Chemical goggles or shielded safety glasses, if required by job.

SKIN PROTECTION: Wear protective clothing. Wear impervious rubber or chemical-resistant gloves, if required by job.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None

WORK HYGIENIC PRACTICES: Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco

products. Clean affected clothing, shoes, and protective equipment before reuse.

EXPOSURE GUIDELINES: OSHA PEL 8 hr TWA ACGIH TLV-TWA
Not established Not established

SECTION 8 NOTES: None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	water white liquid	FLAMMABLE LIMITS IN AIR UPPER: (% BY VOLUME)	Unknown
ODOR:	slight fatty alcohol odor	LOWER:	Unknown
ODOR THRESHOLD:	Not known	VAPOR PRESSURE (mmHg):@	F: Not established C: Not established
PHYSICAL STATE:	Liquid		
pH AS SUPPLIED:	Not established	VAPOR DENSITY (AIR = 1):@	F: Not established C: Not established
pH (Other):	Not established		
INITIAL BOILING POINT:	F: Not established C: Not established	RELATIVE DENSITY: (Specific Gravity)	0.99 g/ml
BOILING POINT RANGE:	F: Not established C: Not established	BULK DENSITY	8.26 lbs./gal.
MELTING POINT:	F: Not established C: Not established	EVAPORATION RATE: BASIS (butyl acetate=1):	Not established
FREEZING POINT:	F: Not established C: Not established	SOLUBILITY IN WATER:	Dispersible
FLASH POINT:	F: >200 C: >93.3	PARTITION COEFFICIENT:(n-octanol/water)	Not established
METHOD USED:	PMCC	AUTO-IGNITION TEMPERATURE:	F: Not established
FLAMMABILITY (solid, gas):	Not Available	DECOMPOSITION TEMPERATURE	C: Not established
		VISCOSITY:@	F: Not established C: Not established

SECTION 9 NOTES:

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable X Unstable _____

CONDITIONS TO AVOID (STABILITY): None known.

INCOMPATIBILITY (MATERIAL TO AVOID): Avoid contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): None known.

SECTION 10 NOTES: None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:	None	Acute Oral LD50(rat): Not established	Acute Dermal LD50 rabbit): Not established
MIXTURE TOXICITY	Not available	Eye Irritation rabbit): Not established	Skin Irritation rabbit): Not established
COMPONENT TOXICITY	Not available	Inhalation LC50(rat): Not known	Skin Sensitization (guinea pig): Not established
SECTION 11 NOTES:	None	Carcinogenic Potential: None listed in OSHA, NTP, IARC, or ACGIH	

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Do not use near water. Not for aquatic use. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

ECOTOXICITY: Not available

BIOACCUMULATIVE POTENTIAL: Not available

MOBILITY IN SOIL: Not available

OTHER ADVERSE EFFECTS: Not available

SECTION 12 NOTES: None

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Wastes may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent), adding rinse water to spray tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by appropriate authorities. Recycling decontaminated containers is the best option of container disposal. The (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at <http://www.acrecycle.org/>.

RCRA HAZARD CLASS: Not listed

SECTION 13 NOTES: Do not contaminate water, food or feed by storage or disposal.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

DOT Shipping Description: Not regulated by US DOT.

U.S. Surface Freight Classification: Adhesives, Adjuvants, Spreaders Or Stickers (NMFC 4610; CLASS: 60) Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

OTHER AGENCIES: None

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS Mixture not listed

TSCA (TOXIC SUBSTANCE CONTROL ACT): Not Regulated

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not Regulated

SARA TITLE III (SUPERFUND AMENDMENTS AND None

311/312 HAZARD CATEGORIES

Acute Health Hazard	<u>YES</u>
Chronic Health Hazard	<u>NO</u>
Fire Hazard	<u>NO</u>
Sudden Release of Pressure Hazard	<u>NO</u>
Reactive Hazard	<u>NO</u>

313 REPORTABLE INGREDIENTS: Not listed

INTERNATIONAL REGULATIONS: None

CA Proposition 65: WARNING: This product does not contains chemicals known to State of California to cause cancer or birth defects or other reproductive harm.

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: Replaces Issue: 06/11/16

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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